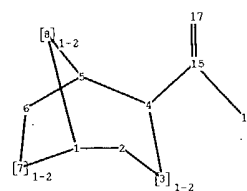
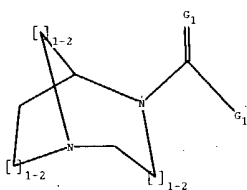


: \STNEXP4\QUERIES\10068692.str



chain nodes :

15 16 17

ring nodes :

1 2 3 4 5 6 7 8

chain bonds :

4-15 15-16 15-17

ring bonds :

1-2 1-7 1-8 2-3 3-4 4-5 5-6 5-8 6-7

exact/norm bonds :

1-2 1-7 1-8 2-3 3-4 4-5 4-15 5-6 5-8 6-7 15-16 15-17

G1:O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 15:CLASS
16:CLASS 17:CLASS

10/068,692

=> d his

(FILE 'HOME' ENTERED AT 10:55:21 ON 07 JAN 2004)

FILE 'REGISTRY' ENTERED AT 10:58:54 ON 07 JAN 2004

L1 STRUCTURE UPLOADED

L2 QUE L1

L3 2 S L2

L4 219 S L2 SSS FUL

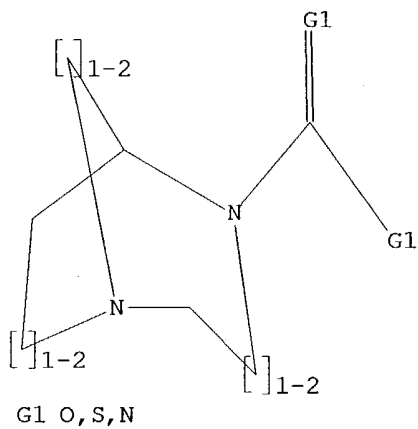
FILE 'CAPLUS' ENTERED AT 10:59:45 ON 07 JAN 2004

L5 12 S L4

=> d 12

L2 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2 QUE ABB=ON PLU=ON L1

=> d ibib abs hitstr 1-12

10/068,692

L5 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:472390 CAPLUS

DOCUMENT NUMBER: 139:53026

TITLE: Preparation of ureidobenzothiazoles as adenosine receptor ligands.

INVENTOR(S): Flohr, Alexander; Jakob-Roetne, Roland; Norcross,

PATENT ASSIGNEE(S): Roger David; Riemer, Claus

SOURCE: F. Hoffmann-La Roche Ag, Switz.

PCT Int. Appl., 42 pp.

CODEN: PIXXD2

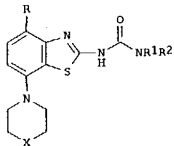
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003049741	A1	20030619	WO 2002-EP13761	20021205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZH, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003149036	A1	20030807	US 2002-308338	20021203
PRIORITY APPLN. INFO.: EP 2001-129228 A 20011210				
OTHER SOURCE(S): MARPAT 139:53026				
GI				



AB Title compds. [I: R = alkoxy, halo; R1, R2 = H, alkyl, cycloalkyl, tetrahydropyran-4-yl; R1R2N = (substituted) 2-oxa-5-azabicyclo[2.2.1]heptyl, 3-endo-hydroxy-8-azabicyclo[3.2.1]octyl, 2-azabicyclo[2.2.2]octyl, 1-oxo-2,8-diazaspiro[4.5]decyl, 3-azaspiro[5.5]undecyl, 8-azaspiro[4.5]decyl, 1-oxa-8-azaspiro[4.5]decyl, 1,8,8-trimethyl-3-azabicyclo[3.2.1]octyl, 1,4-oxazepanyl.

L5 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

2-oxa-5-azabicyclo[2.2.2]octyl, 8-oxa-3-azabicyclo[3.2.1]octyl, 1,4-diazabicyclo[3.2.1]octyl, 2-azabicyclo[2.2.1]heptyl, 3-azabicyclo[3.2.1]octyl, piperazinyl, piperidin-1-yl; X = O, CH2; n = 0-4], were prepd. Thus, 4-methoxy-7-morpholin-4-ylbenzothiazol-2-ylamine in CH2Cl2 was treated with pyridine and Ph chloroformate and the resulting soln. stirred for 45 min at ambient temp.; (1S,4S)-2-oxa-5-azabicyclo[2.2.1]heptane was added and the mixt. stirred at ambient temp. for 15 min and at 40.degree. for 2.5 h. to give (1S,4S)-2-oxa-5-azabicyclo[2.2.1]heptane-5-carboxylic acid (4-methoxy-7-morpholin-4-ylbenzothiazol-2-yl)amide. This bound to human A2a receptors with pKi = 8.5.

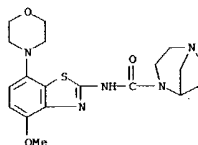
IT 546093-56-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of ureidobenzothiazoles as adenosine receptor ligands)

RN 546093-56-5 CAPLUS

CN 1,4-Diazabicyclo[3.2.1]octane-4-carboxamide, N-[4-methoxy-7-(4-morpholinyl)-2-benzothiazolyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:417749 CAPLUS

DOCUMENT NUMBER: 138:401766

TITLE: 4-(1,2,4-Oxadiazol-3-yl)-1,4-diazabicyclo[3.2.2]nonane derivatives as nicotinic .alpha.7 receptor ligands

INVENTOR(S): Galli, Frederic; Leclerc, Odile; Lochead, Alistair

PATENT ASSIGNEE(S): Sanofi-Synthelabo, Fr.

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

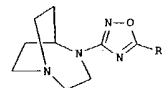
DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003044019	A1	20030530	WO 2002-FR3985	20021121
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2832712	A1	20030530	FR 2001-15153	20011123
PRIORITY APPLN. INFO.: FR 2001-15153 A 20011123				
OTHER SOURCE(S): MARPAT 138:401766				
GI				



AB Title compds. I [R = (un)substituted Ph, pyridinyl, thienyl] were prepd. for use as nicotinic .alpha.7 receptor ligands, active in the 0.007-0.30 .mu.M range. Thus, I [R = Ph] was obtained by treating 1,4-diazabicyclo[3.2.2]nonane with 3-bromo-5-phenyl-1,2,4-oxadiazole.

IT 532411-22-6P

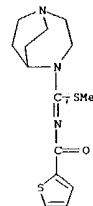
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of 4-(1,2,4-oxadiazol-3-yl)-1,4-diazabicyclo[3.2.2]nonane derivs. as nicotinic .alpha.7 receptor ligands)

RN 532411-22-6 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboximidethioic acid, N-(2-thienylcarbonyl)-, methyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



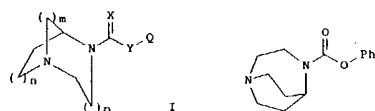
REFERENCE COUNT: 4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

15 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN
 ACCESSION NUMBER: 2002:610349 CAPLUS
 DOCUMENT NUMBER: 137:154954
 TITLE: Preparation of 1,4-diazabicyclo[3.2.2]nonane-4-carboxylic acid esters and amides as CNS-penetrant .alpha.7 nicotinic receptor agonists
 INVENTOR(S): O'Donnell, Christopher John; O'Neill, Brian Thomas
 PATENT ASSIGNEE(S): Pfizer Products Inc., USA
 SOURCE: Eur. Pat. Appl., 41 pp.
 CODEN: EPXKXW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1231212	A1	20020814	EP 2002-250540	20020128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002000283	A	20021008	BR 2002-283	20020205
JP 2002102490	A2	20021018	JP 2002-29074	20020206
US 2002177591	A1	20021128	US 2002-68692	20020206
PRIORITY APPLN. INFO.:			US 2001-266749P P	20010206
			US 2001-274994P P	20010312

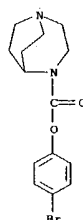
OTHER SOURCE(S): MARPAT 137:154954
 GI



AB Title compds. I [wherein n = 1-2; m = 1-2; p = 1-2; X and Y = independently O, S, or NR1; R1 = H, alkyl, CO2R6, CONR6R7, COR6, or SO2R6; Q, R6, and R7 = independently (un)substituted (cyclo)alkyl, (cyclo)alkenyl, alkynyl, heterocycloalkyl, (hetero)cycloalkyl, (hetero)bicycloalkenyl, or (hetero)aryl; or isomers or pharmaceutically acceptable salts thereof] were prepd. as CNS-penetrant .alpha.7 nicotinic receptor agonists. For example, Ph chloroformate was added dropwise to a mixt. of 1,4-diazabicyclo[3.2.2]nonane, 4-dimethylaminopyridine, pyridine, and CH2Cl2 at -10.degree.. The bath was removed and the mixt. allowed to stir at room temp. for 15 h to give 1,4-diazabicyclo[3.2.2]nonane-4-carboxylic acid Ph ester (II; 37%). The compds. of the invention that were tested in an assay measuring the suppression of nicotine binding to specific receptor sites in male Sprague-Dawley rat brain membranes exhibited IC50 values of < 10 .mu.M. Thus, I are useful for the treatment of disorders of the central nervous system (CNS), such as schizophrenia, and other disorders (no data).

15 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)
 446018-32-2P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-methoxycarbonylphenyl ester 446018-33-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 6-bromonaphthalen-2-yl ester 446018-34-4P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid methyl ester 446018-35-5P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid isobutyl ester 446018-36-6P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid pyridin-2-yl ester 446018-37-7P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid pyridin-3-yl ester 446018-38-8P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid octyl ester 446018-39-9P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-benzoyloxyphenyl ester 446018-40-2P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-methylsulfonylphenyl ester 446018-41-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-indan-1-ylphenyl ester 446018-42-4P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-furan-3-ylphenyl ester 446018-43-5P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-(6-fluoropyridin-3-yl)phenyl ester 446018-44-6P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-benzoylphenyl ester 446018-45-7P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-benzylphenyl ester 446018-46-8P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-imidazol-1-ylphenyl ester 446018-47-9P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-benzoyloxymethyl ester 446018-49-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-1,2,4-triazol-1-ylphenyl ester 446018-51-5P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-(4-acetylpiiperazin-1-yl)phenyl ester 446018-52-6P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2-benzoxazol-2-ylphenyl ester 446018-53-7P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2-benzothiazol-2-ylphenyl ester 446018-54-8P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2-benzylphenyl ester 446018-55-9P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-benzoylphenyl ester 446018-56-0P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-(5-ethoxycarbonylpyridin-3-yl)phenyl ester 446018-57-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4'-nitrophenyl-4-yl ester 446018-58-2P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2'-nitrophenyl-4-yl ester 446018-59-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-(6-methylpyridin-2-yl)phenyl ester 446018-60-6P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-(3,5-dimethylisoxazol-4-yl)phenyl ester 446018-61-7P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-(4-methylpyridin-2-yl)phenyl ester 446018-62-8P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-(5-carbamoylpyridin-3-yl)phenyl ester 446018-63-9P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-(5-cyanopyridin-3-yl)phenyl ester 446018-64-0P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3'-nitrophenyl-4-yl ester 446018-65-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-imidazo[1,2-a]pyridin-3-ylphenyl ester 446018-66-2P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-nitrophenyl ester 446018-67-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid ethyl ester 446018-68-4P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid propyl ester 446018-69-5P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-pyridin-3-ylphenyl ester 446018-70-6P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid N-(4-bromophenyl)amide 446018-71-7P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-cyanophenyl ester 446018-72-0P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-iodophenyl ester 446018-73-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2'-methoxybiphenyl-4-yl ester 446018-74-2P,

15 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)
 IT 298198-52-4P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-bromophenyl ester
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (nicotinic receptor agonist; prepn. and pharmaceutical compns. of diazabicyclo[3.2.2]nonanecarboxylic acid esters and amides as CNS-penetrant .alpha.7 nicotinic receptor agonists)
 RN 298198-52-4 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromophenyl ester (9CI)
 (CA INDEX NAME)



IT 298198-51-3P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 4-CHLORO-PHENYL ESTER 298198-53-5P 298198-54-6P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 4-METHOXY-PHENYL ESTER 298198-56-8P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 4-NITRO-PHENYL ESTER 298198-57-9P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 4-FLUORO-PHENYL ESTER 298198-62-6P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 2-BROMO-PHENYL ESTER 298198-63-7P 298198-65-9P 298198-67-1P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 3-METHOXY-PHENYL ESTER 298198-69-3P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 3-TRIFLUOROMETHYL-PHENYL ESTER 298198-75-1P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 3,4-DICHLORO-PHENYL ESTER 298198-77-3P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 4-TRIFLUORO-METHOXY-PHENYL ESTER 298198-81-9P, 1,4-DIAZABICYCLO[3.2.2]NONANE-4-CARBOXYLIC ACID 4-PHENOXY-PHENYL ESTER 298198-83-1P 446018-23-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-pyridin-2-ylphenyl ester 446018-24-2P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-pyridin-3-ylphenyl ester 446018-25-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-pyridin-4-ylphenyl ester 446018-26-4P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-nitrophenyl ester 446018-30-0P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid naphthalen-2-yl ester 446018-31-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid O-phenyl ester

15 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)
 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2'-methoxybiphenyl-4-yl ester 446018-75-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-tert-butylphenyl ester 446018-76-4P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-trifluoromethylphenyl ester 446018-77-5P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2-chlorophenyl ester 446018-78-6P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2-iodophenyl ester 446018-79-7P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4'-cyanobiphenyl-4-yl ester 446018-80-0P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4'-bromobiphenyl-4-yl ester 446018-81-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2-trifluoromethylphenyl ester 446018-83-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-fluorophenyl ester 446018-84-4P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-chlorophenyl ester 446018-85-5P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-bromophenyl ester 446018-86-6P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-tert-butylphenyl ester 446018-87-7P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-iodophenyl ester 446018-88-8P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3-phenoxymethyl ester 446018-90-2P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3'-methylbiphenyl-4-yl ester 446018-91-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4'-chlorobiphenyl-4-yl ester 446018-91-8P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2'-methylbiphenyl-4-yl ester 446018-94-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2'-chlorobiphenyl-4-yl ester 446018-95-5P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3'-chlorobiphenyl-4-yl ester 446018-96-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3'-cyanobiphenyl-4-yl ester 446018-97-8P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4'-methoxybiphenyl-4-yl ester 446018-98-9P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-bromo-3,5-dimethylphenyl ester 446018-99-0P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-bromo-3-methylphenyl ester 446018-99-1P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4-bromo-3-chlorophenyl ester 446018-99-2P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3,4-dimethylphenyl ester 446018-99-3P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2',5'-dimethylbiphenyl-4-yl ester 446018-99-4P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 3',5'-dimethylbiphenyl-4-yl ester 446018-99-5P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 2',3'-dimethylbiphenyl-4-yl ester 446018-99-6P, 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid 4'-cyanobiphenyl ester 446018-99-7P, 446020-04-8P 446022-34-0P 446031-50-1P 446031-51-2P 446031-52-3P 446031-53-4P 446031-54-5P 446031-55-6P 446031-57-8P 446031-59-0P 446031-60-3P 446031-61-4P 446031-62-5P 446031-63-6P 446031-64-7P 446031-65-8P 446031-66-9P 446031-67-0P 446031-68-1P 446031-69-2P 446031-70-3P 446031-71-4P 446031-72-5P 446031-73-6P 446031-74-7P 446031-75-0P 446031-76-1P 446031-77-2P 446031-78-3P 446031-79-4P 446031-80-7P 446031-81-8P 446031-82-9P 446031-83-0P 446031-84-1P 446031-85-2P 446031-86-3P 446031-87-4P 446031-88-5P 446031-90-9P 446031-91-0P 446031-92-1P 446031-93-2P 446031-94-3P 446031-95-4P

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

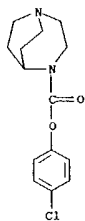
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 446032-55-9P 446032-56-0P 446032-57-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nicotinic receptor agonist; prepn. and pharmaceutical compns. of diazabicyclo[3.2.2]nonanecarboxylic acid esters and amides as CNS-penetrant .alpha.7 nicotinic receptor agonists)

RN 298198-51-3 CAPLUS

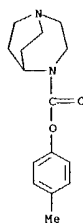
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-chlorophenyl ester (9CI) (CA INDEX NAME)



RN 298198-53-5 CAPLUS

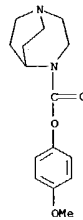
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-methylphenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 298198-54-6 CAPLUS

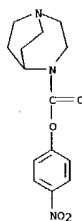
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-methoxyphenyl ester (9CI) (CA INDEX NAME)



RN 298198-56-8 CAPLUS

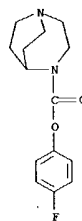
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-nitrophenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 298198-57-9 CAPLUS

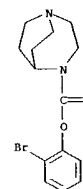
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 298198-62-6 CAPLUS

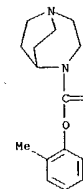
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-bromophenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



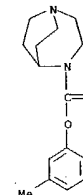
RN 298198-63-7 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-methylphenyl ester (9CI) (CA INDEX NAME)



RN 298198-65-9 CAPLUS

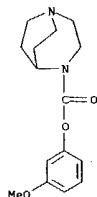
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-methylphenyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

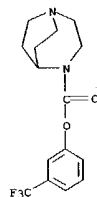
RN 298198-67-1 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-methoxyphenyl ester (9CI) (CA INDEX NAME)



RN 298198-69-3 CAPLUS

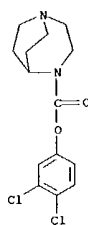
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-(trifluoromethyl)phenyl ester (9CI) (CA INDEX NAME)



RN 298198-75-1 CAPLUS

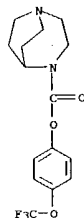
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3,4-dichlorophenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 298198-77-3 CAPLUS

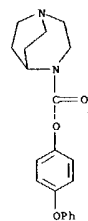
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(trifluoromethoxy)phenyl ester (9CI) (CA INDEX NAME)



RN 298198-81-9 CAPLUS

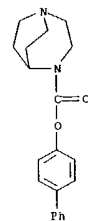
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-phenoxyphenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 298198-83-1 CAPLUS

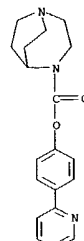
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, [1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)



RN 446018-23-1 CAPLUS

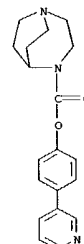
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(2-pyridinyl)phenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446018-24-2 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(3-pyridinyl)phenyl ester (9CI) (CA INDEX NAME)

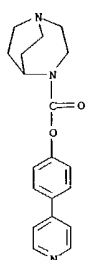


RN 446018-25-3 CAPLUS

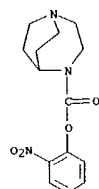
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(4-pyridinyl)phenyl ester (9CI) (CA INDEX NAME)

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

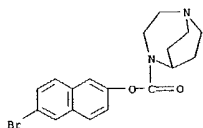


RN 446018-26-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-nitrophenyl ester (9CI)
(CA INDEX NAME)

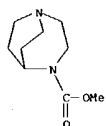


RN 446018-30-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-naphthalenyl ester (9CI)
(CA INDEX NAME)

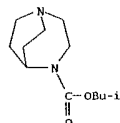
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446018-34-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, methyl ester (9CI)
(CA INDEX NAME)

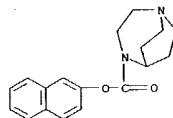


RN 446018-35-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-methylpropyl ester (9CI)
(CA INDEX NAME)

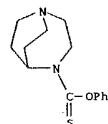


RN 446018-36-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-pyridinyl ester (9CI)
(CA INDEX NAME)

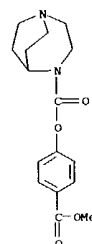
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446018-31-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 0-phenyl ester (9CI)
(CA INDEX NAME)

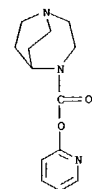


RN 446018-32-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(methoxycarbonyl)phenyl ester (9CI)
(CA INDEX NAME)

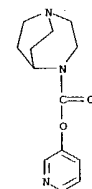


RN 446018-33-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 6-bromo-2-naphthalenyl ester (9CI)
(CA INDEX NAME)

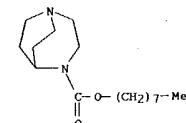
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446018-37-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-pyridinyl ester (9CI)
(CA INDEX NAME)



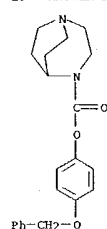
RN 446018-38-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, octyl ester (9CI)
(CA INDEX NAME)



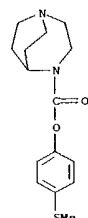
RN 446018-39-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(phenylmethoxy)phenyl ester (9CI)
(CA INDEX NAME)

10/068,692

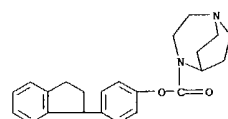
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446018-40-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(methylthio)phenyl ester (9CI) (CA INDEX NAME)

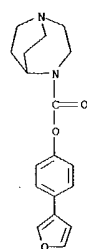


RN 446018-41-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(2,3-dihydro-1H-inden-1-yl)phenyl ester (9CI) (CA INDEX NAME)

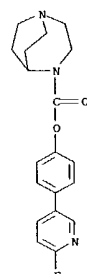


L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 446018-42-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(3-furanyl)phenyl ester (9CI) (CA INDEX NAME)

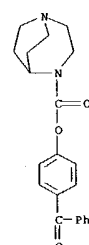


RN 446018-43-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(6-fluoro-3-pyridinyl)phenyl ester (9CI) (CA INDEX NAME)

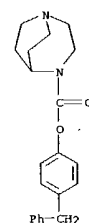


RN 446018-44-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-benzoylphenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

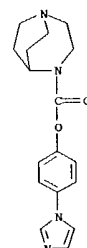


RN 446018-45-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(phenylmethyl)phenyl ester (9CI) (CA INDEX NAME)

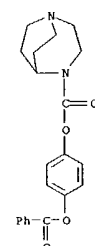


RN 446018-46-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(1H-imidazol-1-yl)phenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

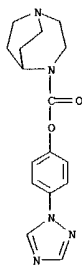


RN 446018-47-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(benzoyloxy)phenyl ester (9CI) (CA INDEX NAME)

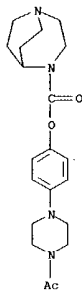


RN 446018-49-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(1H-1,2,4-triazol-1-yl)phenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

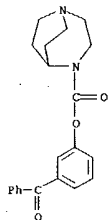


RN 446018-51-5 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(4-(1H-imidazol-2-yl)phenyl) ester (9CI) (CA INDEX NAME)

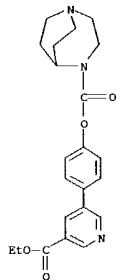


RN 446018-52-6 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-(2-benzoxazolyl)phenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-benzoylphenyl ester (9CI) (CA INDEX NAME)

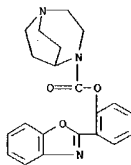


RN 446018-56-0 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-[5-(ethoxycarbonyl)-3-pyridinyl]phenyl ester (9CI) (CA INDEX NAME)

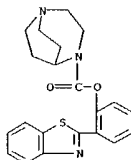


RN 446018-57-1 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-nitro[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

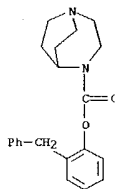
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446018-53-7 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-(2-benzothiazolyl)phenyl ester (9CI) (CA INDEX NAME)

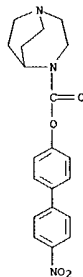


RN 446018-54-8 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-(phenylmethyl)phenyl ester (9CI) (CA INDEX NAME)

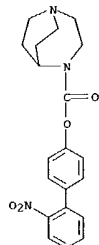


RN 446018-55-9 CAPLUS

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

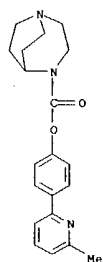


RN 446018-58-2 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2'-nitro[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

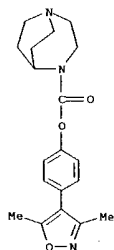


RN 446018-59-3 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(6-methyl-2-pyridinyl)phenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

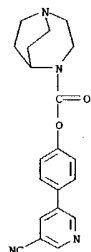


RN 446018-60-6 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(3,5-dimethyl-4-isoxazolyl)phenyl ester (9CI) (CA INDEX NAME)

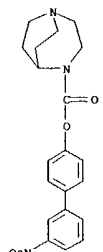


RN 446018-61-7 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(4-methyl-2-pyridinyl)phenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

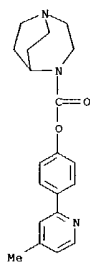


RN 446018-64-0 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-nitro[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

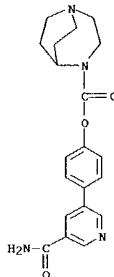


RN 446018-65-1 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-imidazo[1,2-a]pyridin-3-ylphenyl ester (9CI) (CA INDEX NAME)

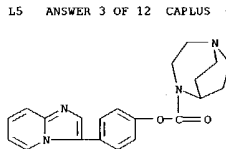
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



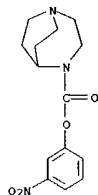
RN 446018-62-8 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-[5-(aminocarbonyl)-3-pyridinyl]phenyl ester (9CI) (CA INDEX NAME)



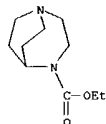
RN 446018-63-9 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(5-cyano-3-pyridinyl)phenyl ester (9CI) (CA INDEX NAME)



RN 446018-66-2 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-nitrophenyl ester (9CI) (CA INDEX NAME)



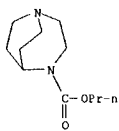
RN 446018-67-3 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, ethyl ester (9CI) (CA INDEX NAME)



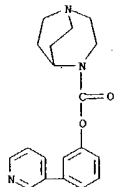
RN 446018-68-4 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, propyl ester (9CI) (CA INDEX NAME)

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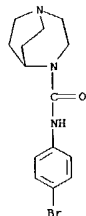
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



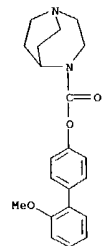
RN 446018-69-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-(3-pyridinyl)phenyl ester (9CI) (CA INDEX NAME)



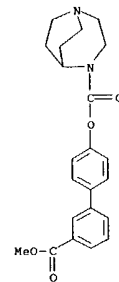
RN 446018-70-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxamide, N-(4-bromophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



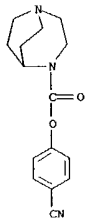
RN 446018-74-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-(methoxycarbonyl)[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)



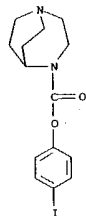
RN 446018-75-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(1,1-dimethylethyl)phenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 446018-71-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-cyanophenyl ester (9CI) (CA INDEX NAME)

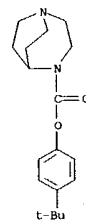


RN 446018-72-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-iodophenyl ester (9CI) (CA INDEX NAME)

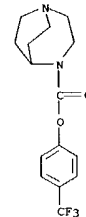


RN 446018-73-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2'-methoxy[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



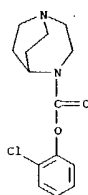
RN 446018-76-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(trifluoromethyl)phenyl ester (9CI) (CA INDEX NAME)



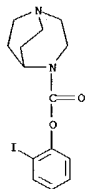
RN 446018-77-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-chlorophenyl ester (9CI) (CA INDEX NAME)

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L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

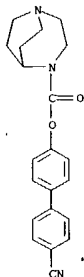


RN 446018-78-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-iodophenyl ester (9CI)
(CA INDEX NAME)

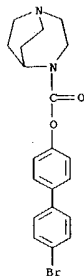


RN 446018-79-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-bromo[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

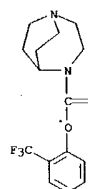


RN 446018-80-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-bromo[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

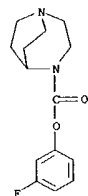


RN 446018-81-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-(trifluoromethyl)phenyl ester (9CI) (CA INDEX NAME)

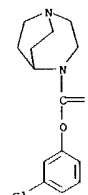
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446018-83-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-fluorophenyl ester (9CI) (CA INDEX NAME)

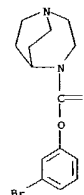


RN 446018-84-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-chlorophenyl ester (9CI) (CA INDEX NAME)

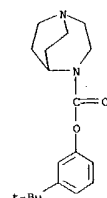


RN 446018-85-5 CAPLUS

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



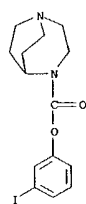
RN 446018-86-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-(1,1-dimethylethyl)phenyl ester (9CI) (CA INDEX NAME)



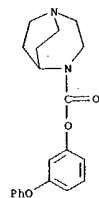
RN 446018-87-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-iodophenyl ester (9CI)
(CA INDEX NAME)

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

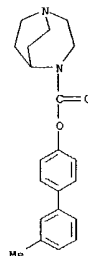


RN 446018-88-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-iodophenoxy ester (9CI) (CA INDEX NAME)

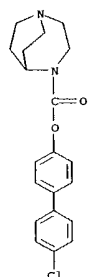


RN 446018-90-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-methyl[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

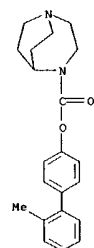


RN 446018-91-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-chloro[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

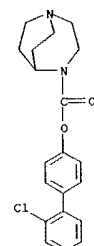


RN 446019-01-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2'-methyl[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

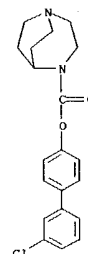


RN 446019-04-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2'-chloro[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

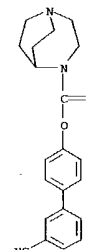


RN 446019-08-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-chloro[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

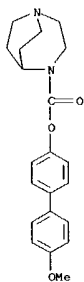


RN 446019-15-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-cyano[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

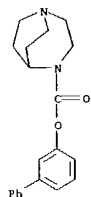


RN 446019-19-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-methoxy[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

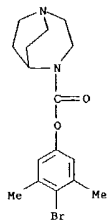


RN 446019-24-5 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, [1,1'-biphenyl]-3-yl ester (9CI) (CA INDEX NAME)

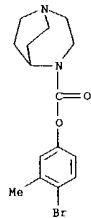


RN 446019-31-4 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromo-3,5-dimethylphenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

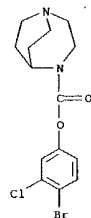


RN 446019-36-9 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromo-3-methylphenyl ester (9CI) (CA INDEX NAME)

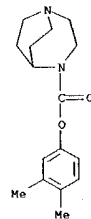


RN 446019-41-6 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromo-3-chlorophenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

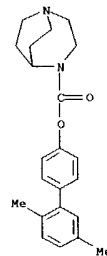


RN 446019-46-1 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3,4-dimethylphenyl ester (9CI) (CA INDEX NAME)

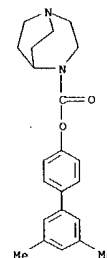


RN 446019-51-8 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2',5'-dimethyl[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

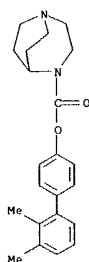


RN 446019-56-3 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3',5'-dimethyl[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

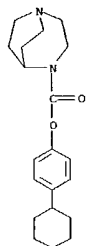


RN 446019-61-0 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2',3'-dimethyl[1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446019-66-5 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-cyclohexylphenyl ester (9CI) (CA INDEX NAME)



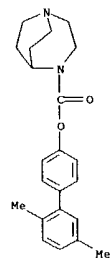
RN 446019-83-6 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, phenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 446031-50-1 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2',5'-dimethyl[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 446019-51-8
 CMF C22 H26 N2 O2



CM 2

CRN 76-05-1
 CMF C2 H F3 O2

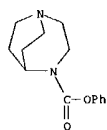


RN 446031-51-2 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2'-methoxy[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

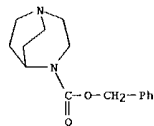
CM 1

CRN 446018-73-1
 CMF C21 H24 N2 O3

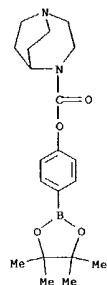
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



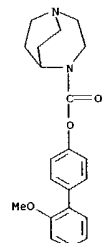
RN 446020-04-8 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 446022-34-0 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



CM 2

CRN 76-05-1
 CMF C2 H F3 O2



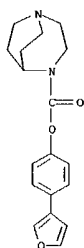
RN 446031-52-3 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(3-furanyl)phenyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 446018-42-4
 CMF C18 H20 N2 O3

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



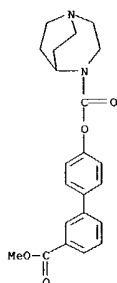
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-53-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-(methoxycarbonyl)[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446018-74-2
CMF C22 H24 N2 O4

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



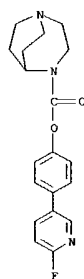
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-54-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(6-fluoro-3-pyridinyl)phenyl ester, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446018-43-5
CMF C19 H20 F N3 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



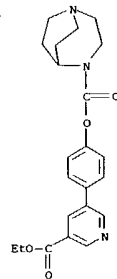
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-55-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-[5-(ethoxycarbonyl)-3-pyridinyl]phenyl ester, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446018-56-0
CMF C22 H25 N3 O4

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

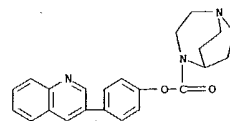


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-57-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(3-quinolinyl)phenyl ester, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446031-56-7
CMF C23 H23 N3 O2



CM 2

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

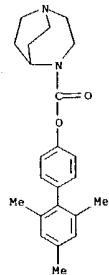
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-59-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2',4',6'-trimethyl[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 446031-58-9
CMF C23 H28 N2 O2



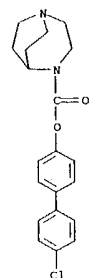
CM 2

CRN 76-05-1
CMF C2 H F3 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CM 1

CRN 446018-91-3
CMF C20 H21 Cl N2 O2



CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 446031-62-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-nitro[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 446018-57-1
CMF C20 H21 N3 O4

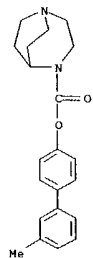
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 446031-60-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-methyl[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 446018-90-2
CMF C21 H24 N2 O2



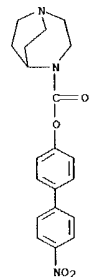
CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 446031-61-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-chloro[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



CM 2

CRN 76-05-1
CMF C2 H F3 O2



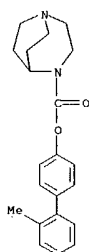
RN 446031-63-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2'-methyl[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 446019-01-8
CMF C21 H24 N2 O2

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



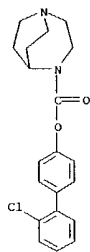
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-64-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2'-chloro[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446019-04-1
CMF C20 H21 Cl N2 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



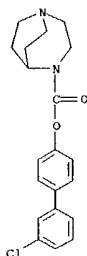
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-65-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-chloro[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446019-08-5
CMF C20 H21 Cl N2 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



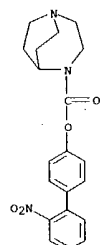
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-66-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2'-nitro[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446018-58-2
CMF C20 H21 N3 O4

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



CM 2
CRN 76-05-1
CMF C2 H F3 O2

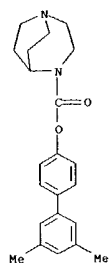


RN 446031-67-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3',5'-dimethyl[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446019-56-3
CMF C22 H26 N2 O2

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



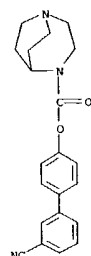
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-68-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-cyano[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446019-15-4
CMF C21 H21 N3 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



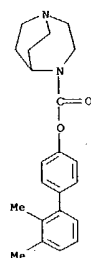
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-69-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2',3'-dimethyl[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446019-61-0
CMF C22 H26 N2 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



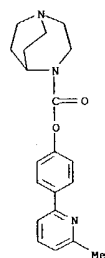
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-70-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(6-methyl-2-pyridinyl)phenyl ester, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446018-59-3
CMF C20 H23 N3 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



CM 2
CRN 76-05-1
CMF C2 H F3 O2

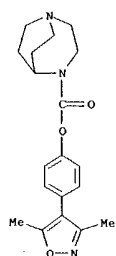


RN 446031-71-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(3,5-dimethyl-4-isoxazolyl)phenyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446018-60-6
CMF C19 H23 N3 O3

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

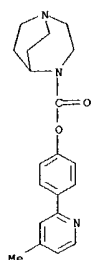


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-72-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(4-methyl-2-pyridinyl)phenyl ester, bis(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 446018-61-7
CMF C20 H23 N3 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

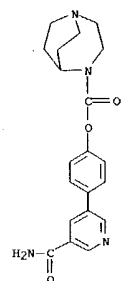


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-73-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-[5-(aminocarbonyl)-3-pyridinyl]phenyl ester, bis(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 446018-62-8
CMF C20 H22 N4 O3

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

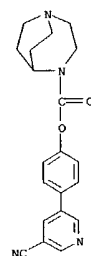


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-74-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(5-cyano-3-pyridinyl)phenyl ester, bis(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 446018-63-9
CMF C20 H20 N4 O2

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



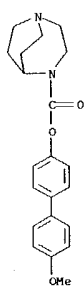
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-75-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-methoxy[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 446019-19-8
CMF C21 H24 N2 O3

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



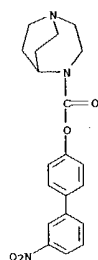
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-76-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3'-nitro[1,1'-biphenyl]-4-yl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446018-64-0
CMF C20 H21 N3 O4

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

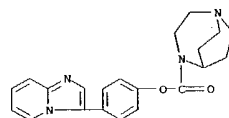


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 446031-77-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-imidazo[1,2-a]pyridin-3-ylphenyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 446018-65-1
CMF C21 H22 N4 O2

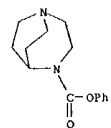


L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CM 2
CRN 76-05-1
CMF C2 H F3 O2



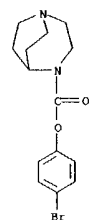
RN 446031-78-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

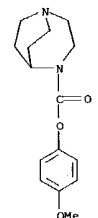
RN 446031-79-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

RN 446031-80-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-methoxyphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

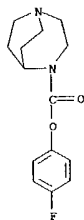


● HCl

RN 446031-81-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-fluorophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

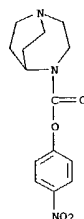
10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

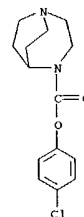
RN 446031-82-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-nitrophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

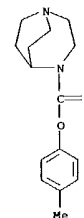
RN 446031-83-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-nitrophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

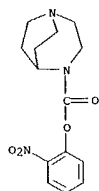
RN 446031-86-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

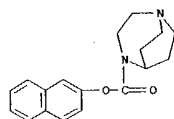
RN 446031-87-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, O-phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

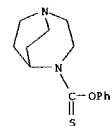
RN 446031-84-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-naphthalenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

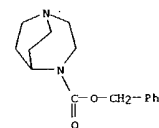
RN 446031-85-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-chlorophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



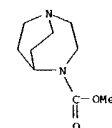
● HCl

RN 446031-88-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, phenylmethyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 446031-90-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)

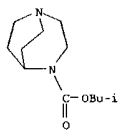


● HCl

RN 446031-91-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-methylpropyl ester, monohydrochloride (9CI) (CA INDEX NAME)

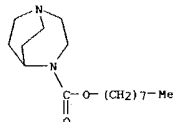
10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

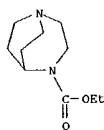
RN 446031-92-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, octyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

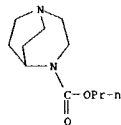
RN 446031-93-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



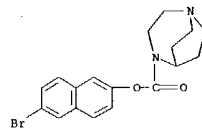
● HCl

RN 446031-94-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, propyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

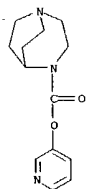
RN 446031-95-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 6-bromo-2-naphthalenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

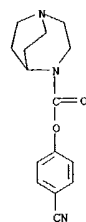
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 446031-96-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-pyridinyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

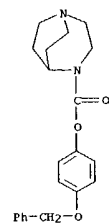
RN 446031-97-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-cyanophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

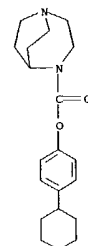
RN 446031-98-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(phenylmethoxy)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

RN 446031-99-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-cyclohexylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

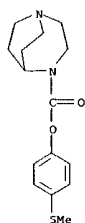


● HCl

RN 446032-00-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(methylthio)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

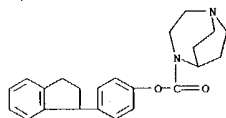
10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

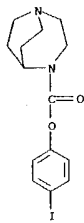
RN 446032-01-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(2,3-dihydro-1H-inden-1-yl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

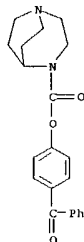
RN 446032-02-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-iodophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

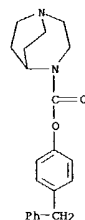
RN 446032-04-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-benzoylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

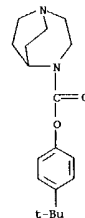
RN 446032-06-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(phenylmethyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

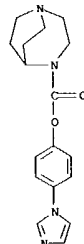
RN 446032-07-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(1,1-dimethylethyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

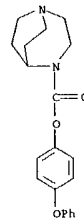
RN 446032-09-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(1H-imidazol-1-yl)phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● 2 HCl

RN 446032-11-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-phenoxyphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

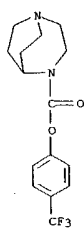


● HCl

RN 446032-13-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(trifluoromethyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

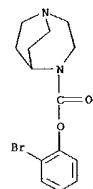
10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

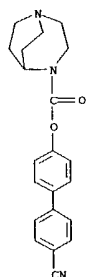
RN 446032-15-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-bromophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

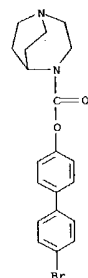
RN 446032-17-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-chlorophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

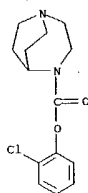
RN 446032-23-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-bromo[1,1'-biphenyl]-4-yl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

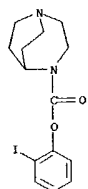
RN 446032-25-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(1H-1,2,4-triazol-1-yl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

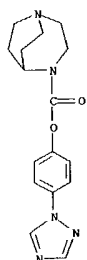
RN 446032-19-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-iodophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

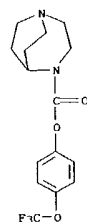
RN 446032-21-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4'-cyano[1,1'-biphenyl]-4-yl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

RN 446032-27-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(trifluoromethoxy)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

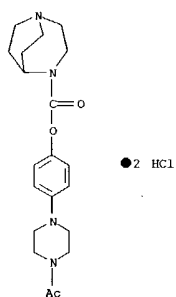


● HCl

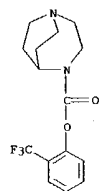
RN 446032-29-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(4-acetyl-1-piperazinyl)phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

10/068,692

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

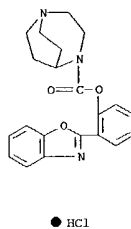


RN 446032-31-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-(trifluoromethyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

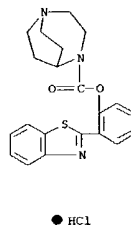


RN 446032-33-3 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-(2-benzoxazolyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

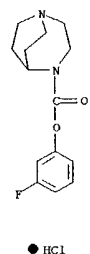


RN 446032-35-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-(2-benzothiazolyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

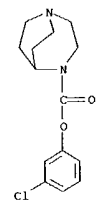


RN 446032-36-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-fluorophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

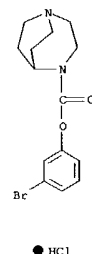


RN 446032-37-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-chlorophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

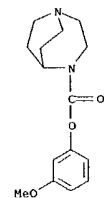


RN 446032-38-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-bromophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

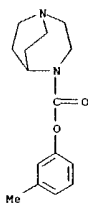


RN 446032-39-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-methoxyphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



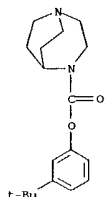
RN 446032-40-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

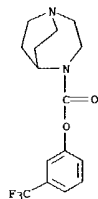
RN 446032-41-3 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-(1,1-dimethylethyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

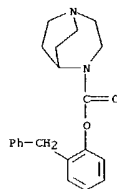
RN 446032-43-5 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-(trifluoromethyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

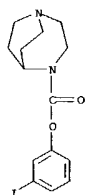
RN 446032-44-6 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-(phenylmethyl)phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

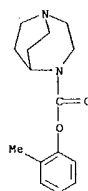
RN 446032-45-7 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-iodophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

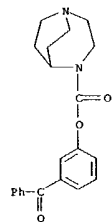
RN 446032-46-8 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

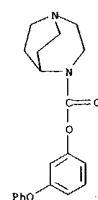
RN 446032-47-9 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-benzoylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

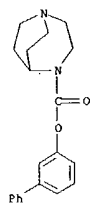
RN 446032-48-0 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-phenoxyphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

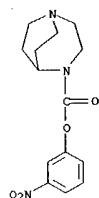
RN 446032-49-1 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, [1,1'-biphenyl]-3-yl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

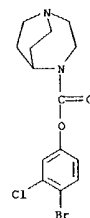
RN 446032-50-4 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-nitrophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

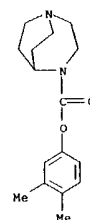
RN 446032-51-5 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromo-3,5-dimethylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

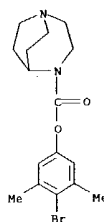
RN 446032-54-8 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3,4-dimethylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

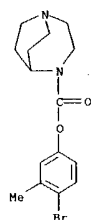
RN 446032-55-9 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3,4-dichlorophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

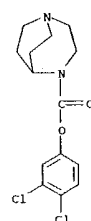
RN 446032-52-6 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromo-3-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

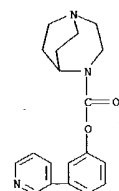
RN 446032-53-7 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromo-3-chlorophenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

RN 446032-56-0 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-(3-pyridinyl)phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

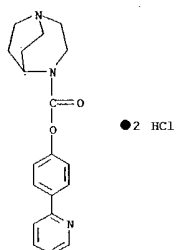


● 2 HCl

RN 446032-57-1 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(2-pyridinyl)phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

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L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

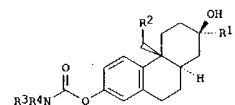


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:330263 CAPLUS
 DOCUMENT NUMBER: 136:340495
 TITLE: Preparation of octahydrophenanthrenyl carbamates as glucocorticoid receptor modulators
 INVENTOR(S): Liu, Kevin Kun-Chin; Morgan, Bradley Paul; Robinson, Ralph Pelton, Jr.
 PATENT ASSIGNEE(S): Pfizer Products Inc., USA
 SOURCE: Eur. Pat. Appl., 42 pp.
 CODEN: REXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1201649	A1	20020502	EP 2001-309064	20011025
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2002193911	A2	20020710	JP 2001-328050	20011025
US 2002107235	A1	20020808	US 2001-6215	20011026
BR 2001004831	A	20020820	BR 2001-4831	20011026
PRIORITY APPLN. INFO.: MARPAT 136:340495			US 2000-243993P	P 20001028
OTHER SOURCE(S):				
GI				

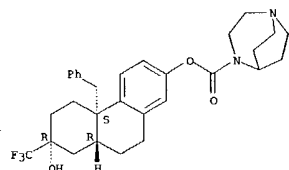


AB Title compds. [I: R1 = (trifluoromethyl)alkyl, CF3, C.tplbond.CMe, C.tplbond.CCl, C.tplbond.CCF3, CH2OA; A = (trifluoromethyl)alkyl; R2 = alkyl, alkenyl, (substituted) Ph; R3 = H, alkyl, haloalkyl, alkenyl, alkynyl, haloalkynyl; R4 = H, alkylamino, alkylhet; R3R4N = het; het = (substituted) 5-7 membered (unsatd.) heterocyclic ring contg. 1-3 of N, O, S; and including any bicyclic group in which any of the above heterocyclic rings is fused to a benzene ring or another heterocyclic ring; and optionally substituted with 1-4 R7; R7 = (substituted) alkyl; with proviso(s)], were prepd. for treatment of obesity, diabetes, depression, anxiety, neurodegeneration, and inflammatory disease (no data). A soln. of 2,7-phenanthrenediol, 1,2,3,4,4a,9,10,10a-octahydro-4a-(phenylmethyl)-2-ethyl-[2R-(2.alpha.,4a.alpha.,10a.beta.)] (prepn. given), COC12, and Et3N in THF was stirred at room temp. for 3 h; 1-(2-aminoethyl)pyrrolidine was added followed by stirring overnight to give 41% carbamic acid, [2-(1-pyrrolidinyl)ethyl]-, (4bS,7R,8aR)-7-ethyl-4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-4b-(phenylmethyl)-2-phenanthrenyl ester.

L5 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

IT 419534-01-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of octahydrophenanthrenyl carbamates as glucocorticoid receptor modulators)
 RN 419534-01-9 CAPLUS
 CN 1,4-diazabicyclo[3.2.2]nonane-4-carboxylic acid, (4bS,7R,8aR)-4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-2-phenanthrenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:854631 CAPLUS
 DOCUMENT NUMBER: 136:134936
 TITLE: An unexpected ring formation in morphine chemistry
 AUTHOR(S): Fleischhacker, Wilhelm; Richter, Bernd; Giester, Gerald; Brehmer, Thomas H.
 CORPORATE SOURCE: Institute of Pharmaceutical Chemistry, University of Vienna, Vienna, A-1090, Austria
 SOURCE: ARKIVOC [online computer file] (2001), 2(2), 1136-1148
 CODEN: ARKVCF
 URL: <http://www.arkat.org/arkat/journal/Issue8/ms0108.pdf>
 PUBLISHER: ARKAT Foundation
 DOCUMENT TYPE: Journal: (online computer file)
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 136:134936
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Reaction of (7S)-N-benzyl-N-nor-7-bromoneopine di-Me acetal (I) with primary or secondary amines (R₁H₂, R₁R₂NH) resulted in 9-amino-substituted hasubanan derivs. In particular, modification of the 9-(2-hydroxyethyl)amino deriv. II in subsequent steps gave products with a 9-(oxazolidin-2'-one-3'-yl) substituent. 1H and 13C NMR spectra did not provide definitive evidence for the supposed structure and reaction mechanism, but X-ray analyses of compds. III (R = CH₂Ph) and III' (R = CH₂CH=CH₂) confirmed both structures.

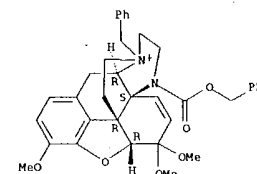
IT 391928-15-7
 RL: PRP (Properties)
 (unexpected ring formation in morphine chem.)

RN 391928-15-7 CAPLUS
 CN 6,12b-Ethano-7H-furo[2',3',4':5,6]phenanthro[8a,9-b]pyrazinium, 5,5a,8,9,12,12a-hexahydro-2,12,12-trimethoxy-9-[(phenylmethoxy)carbonyl]-6-(phenylmethyl)-, (5aR,9aS,12aR,12bR)-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 391928-14-6
 CMF C36 H39 N2 O6

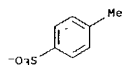
Absolute stereochemistry.



10/068,692

L5 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CN 2

CRN 16722-51-3
CNF C7 H7 O3 S

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:707166 CAPLUS
 DOCUMENT NUMBER: 133:266874
 TITLE: Preparation of 1,4-diazabicyclo[3.2.2]nonane-4-carboxylates as nicotinic receptor ligands
 INVENTOR(S): Gallet, Thierry; Jegham, Samir; Lardenois, Patrick;
 Lochead, Alistair; Nedelec, Alain
 PATENT ASSIGNEE(S): Sanofi-Synthelabo, Fr.
 SOURCE: PCT Int. Appl., 18 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

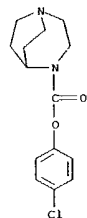
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000058311	A1	20001005	WO 2000-FR697	20000321
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2791678	A1	20001006	FR 1999-3934	19990330
EP 1165559	A1	20020102	EP 2000-911011	20000321
EP 1165559	B1	20030219		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002540208	T2	20021126	JP 2000-608013	20000321
AT 232865	E	20030315	AT 2000-911011	20000321
PRIORITY APPLN. INFO.: FR 1999-3934 A 19990330 WO 2000-FR697 W 20000321				

OTHER SOURCE(S): MARPAT 133:266874
 AB RCO2(CH2)nR1 [R = 1,4-diazabicyclo[3.2.2]nonan-4-yl][I: R1 = (un)substituted Ph, Z = O or (alkyl)imino; n = 0-2] were prepd. Thus, 1,4-diazabicyclo[3.2.2]nonane was condensed with 4-Brc6H4NCO to give I (R1 = C6H4Br-4, n = 0). Data for biol. activity of I were given.
 IT 298198-51-3P 298198-52-4P 298198-53-5P
 298198-54-6P 298198-55-7P 298198-56-8P
 298198-57-9P 298198-58-0P 298198-59-1P
 298198-60-4P 298198-61-5P 298198-62-6P
 298198-64-8P 298198-66-0P 298198-68-2P
 298198-70-6P 298198-71-7P 298198-72-8P
 298198-74-0P 298198-76-2P 298198-78-4P
 298198-80-8P 298198-81-9P 298198-82-0P
 298198-83-1P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of 1,4-diazabicyclo[3.2.2]nonane-4-carboxylates as nicotinic receptor ligands)

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

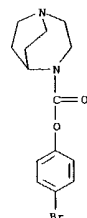
RN 298198-51-3 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-chlorophenyl ester (9CI) (CA INDEX NAME)



RN 298198-52-4 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-bromophenyl ester (9CI) (CA INDEX NAME)



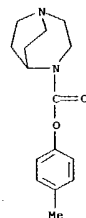
RN 298198-53-5 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-methylphenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

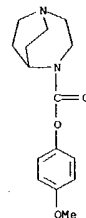
RN 298198-54-6 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-methoxyphenyl ester (9CI) (CA INDEX NAME)



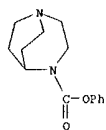
RN 298198-55-7 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, phenyl ester, monohydrobromide (9CI) (CA INDEX NAME)



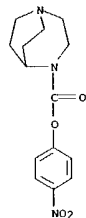
10/068,692

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



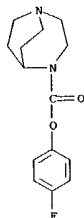
● HBr

RN 298198-56-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-nitrophenyl ester (9CI) (CA INDEX NAME)

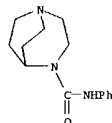


RN 298198-57-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-fluorophenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



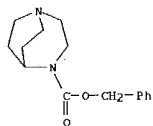
RN 298198-58-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxamide, N-phenyl-, monohydrobromide (9CI) (CA INDEX NAME)



● HBr

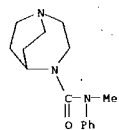
RN 298198-59-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, phenylmethyl ester, monohydrobromide (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HBr

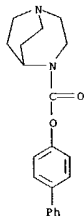
RN 298198-60-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxamide, N-methyl-N-phenyl-, monohydrobromide (9CI) (CA INDEX NAME)



● HBr

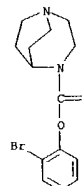
RN 298198-61-5 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, [1,1'-biphenyl]-4-yl ester, monohydrobromide (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HBr

RN 298198-62-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-bromophenyl ester (9CI) (CA INDEX NAME)



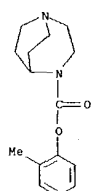
RN 298198-64-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2-methylphenyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 298198-63-7
CMF C15 H20 N2 O2

10/068,692

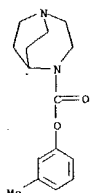
L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



CM 2
CRN 144-62-7
CMF C2 H2 O4

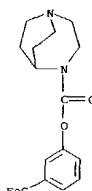


RN 298198-66-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-methylphenyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)
CM 1
CRN 298198-65-9
CMF C15 H20 N2 O2



L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

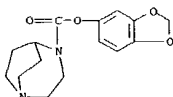
CRN 298198-69-3
CMF C15 H17 F3 N2 O2



CM 2
CRN 144-62-7
CMF C2 H2 O4



RN 298198-71-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 1,3-benzodioxol-5-yl ester (9CI) (CA INDEX NAME)



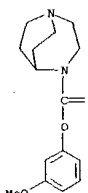
RN 298198-72-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 2,6-dimethoxyphenyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CM 2
CRN 144-62-7
CMF C2 H2 O4



RN 298198-68-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-methoxyphenyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)
CM 1
CRN 298198-67-1
CMF C15 H20 N2 O3

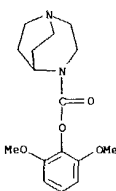


CM 2
CRN 144-62-7
CMF C2 H2 O4

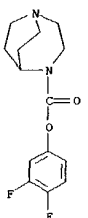


RN 298198-70-6 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3-(trifluoromethyl)phenyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)
CM 1

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 298198-74-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3,4-difluorophenyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)
CM 1
CRN 298198-73-9
CMF C14 H16 F2 N2 O2



CM 2
CRN 144-62-7
CMF C2 H2 O4

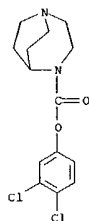


RN 298198-76-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 3,4-dichlorophenyl ester,

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 298198-75-1
CMF C14 H16 Cl2 N2 O2



CM 2

CRN 144-62-7
CMF C2 H2 O4

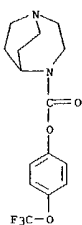


RN 298198-78-4 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-(trifluoromethoxy)phenyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 298198-77-3
CMF C15 H17 F3 N2 O3

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



CM 2

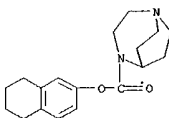
CRN 144-62-7
CMF C2 H2 O4



RN 298198-80-8 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 5,6,7,8-tetrahydro-2-naphthalenyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 298198-79-5
CMF C18 H24 N2 O5



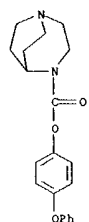
CM 2

CRN 144-62-7

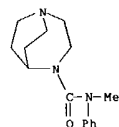
L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
CMF C2 H2 O4



RN 298198-81-9 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, 4-phenoxyphenyl ester (9CI) (CA INDEX NAME)

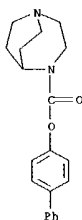


RN 298198-82-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxamide, N-methyl-N-phenyl- (9CI) (CA INDEX NAME)



RN 298198-83-1 CAPLUS
CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxylic acid, [1,1'-biphenyl]-4-yl ester (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



REFERENCE COUNT:

2

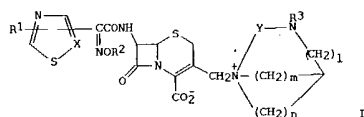
THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/068,692

L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN
 DEPOSITION NUMBER: 1989:477749 CAPLUS
 DOCUMENT NUMBER: 111:77749
 TITLE: (Diazabicyclononan-1-yl)methylcephemcarboxylates as
 antibacterial agents and their preparation
 PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01019083	A2	19890123	JP 1988-167620	19880705
PRIORITY APPLN. INFO.:		GB 1987-15824	19870706	
OTHER SOURCE(S):		MARPAT 111:77749		

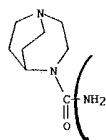
GI



AB The title compds. I [R1 = (protected) amino; R2 = lower alkyl, (protected) carboxy(lower)alkyl, halo(lower)alkyl, etc.; R3 = H, carbamoyl, lower alkyl; X = CH, N; Y = lower (oxo)alkylene; l = 0, 1; m = 0, 2; n = 2, 3], useful as antibacterial agents, were prepd. A mixt. of 7-[2-(5-amino-1,2,4-thiadiazol-3-yl)-2-methoxyiminoacetamido]-3-chloromethyl-3-cephem-4-carboxylic acid CF3CO2H salt (syn isomer) and 4-carbamoyl-1,4-diazabicyclo[3.2.2]nonane in DMF was stirred at 0 degree. for 20 min to give, after workup, syn-7-[2-(5-amino-1,2,4-thiadiazol-3-yl)-2-methoxyiminoacetamido]-3-[4-carbamoyl-1,4-diazabicyclo[3.2.2]nonan-1-yl]methyl-3-cephem-4-carboxylate (II). II.H2SO4 in vitro exhibited a MIC of 0.2 .mu.g/mL against Pseudomonas aeruginosa 26.

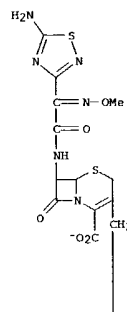
IT 121279-05-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and reaction of, in prepn. of cephemcarboxylates)
 RN 121279-05-8 CAPLUS
 CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxamide (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)



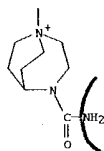
IT 121278-99-7P 121776-06-5P 121801-03-4P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (prepn. of, as antibacterial agent)
 RN 121278-99-7 CAPLUS
 CN 4-Aza-1-azoniabicyclo[3.2.2]nonane, 4-(aminocarbonyl)-1-[[7-[[[(5-amino-1,2,4-thiadiazol-3-yl)methoxyimino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, inner salt, [6R-[6.alpha.,7.beta.(Z)]]- (9CI) (CA INDEX NAME)

PAGE 1-A



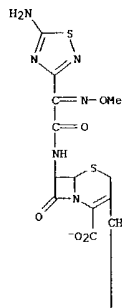
L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)

PAGE 2-A



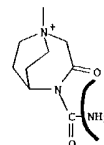
RN 121776-06-5 CAPLUS
 CN 4-Aza-1-azoniabicyclo[3.2.2]nonane, 4-(aminocarbonyl)-1-[[7-[[[(5-amino-1,2,4-thiadiazol-3-yl)methoxyimino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-3-oxo-, inner salt, [6R-[6.alpha.,7.beta.(Z)]]- (9CI) (CA INDEX NAME)

PAGE 1-A



L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)

PAGE 2-A

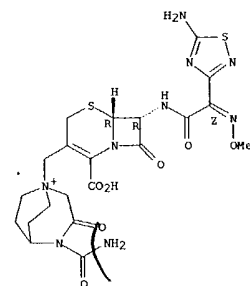


RN 121801-03-4 CAPLUS
 CN 4-Aza-1-azoniabicyclo[3.2.2]nonane, 4-(aminocarbonyl)-1-[[7-[[[(5-amino-1,2,4-thiadiazol-3-yl)methoxyimino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-3-oxo-, [6R-[6.alpha.,7.beta.(Z)]]-, sulfate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 121801-02-3
 CMF C21 H26 N9 O7 S2

Absolute stereochemistry.
 Double bond geometry as shown.



CM 2

CRN 14996-02-2
 CMF H 04 S

10/068,692

L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



DE ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1989:423293 CAPLUS

DOCUMENT NUMBER: 111:23293

TITLE:

Water-soluble compositions containing heteronitroalkylcephem derivatives, their preparation, and formulations containing them

INVENTOR(S): Sakane, Kazuo; Yasuda, Nobuyoshi; Nishimura, Shintaro

PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 27 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

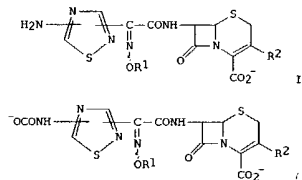
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 303223	A2	19890215	EP 1988-112910	19880809
EP 303223	A3	19901128		
EP 303223	B1	19931020		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ZA 8805642	A	19890426	ZA 1988-5642	19880801
CA 1338780	A1	19961210	CA 1988-574137	19880808
KR 9708127	B1	19970521	KR 1988-10087	19880808
DK 8804451	A	19890211	DK 1988-4451	19880809
FI 8803696	A	19890211	FI 1988-3696	19880809
FI 89927	B	19930831		
FI 89927	C	19931210		
NO 8803530	A	19890213	NO 1988-3530	19880809
NO 175963	B	19941003		
NO 175963	C	19950111		
CN 1031231	A	19890222	CN 1988-104983	19880809
CN 1032292	B	19960717		
JP 01110690	A2	19890427	JP 1988-199268	19880809
HU 47943	A2	19890428	HU 1988-4139	19880809
HU 210848	B	19950828		
AT 96027	E	19931115	AT 1988-112910	19880809
ES 2059454	T3	19941116	ES 1988-112910	19880809
RU 2029549	C1	19950227	RU 1988-461316	19880809
AU 8820598	A1	19890216	AU 1988-20598	19880810
AU 616677	B2	19911107		
US 5104866	A	19920414	US 1990-560229	19900725
PRIORITY APPL. INFO.:				
			GB 1987-18905	A 19870810
			GB 1987-21567	A 19870914
			GB 1987-25051	A 19871026
			GB 1987-29574	A 19871218
			GB 1988-1423	A 19880122
			US 1988-228450	B1 19880805
			EP 1988-112910	A 19880809

OTHER SOURCE(S):

MARPAT 111:23293

GI

L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



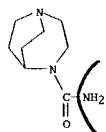
AB H₂O-sol. antibiotic compns. contg. heteronitroalkylcephem derivs. I [R1 = (substituted) hydrocarbyl; R2 = heteronitroalkyl] and/or heteronitroalkylcephem derivs. II were prepd. Reaction of 7-[2-(5-amino-1,2,4-thiadiazol-3-yl)-2-methoxyiminoacetamido]-3-chloromethyl-3-cephem-4-carboxylic acid trifluoroacetate (syn isomer) with 4-carbamoyl-1,4-diazabicyclo[3.2.2]nonane, followed by acidification with H₂SO₄, gave 7-[2-(5-amino-1,2,4-thiadiazol-3-yl)-2-methoxyiminoacetamido]-3-[4-(carbamoyl-1,4-diazabicyclo[3.2.2]nonan-1-yl)methyl]-3-cephem-4-carboxylate sulfate (syn isomer). Sodium 7-[2-allyloxyimino-2-(5-carboxyatoamino-1,2,4-thiadiazol-3-yl)acetamido]-3-(1-pyridinio)methyl-3-cephem-4-carboxylate (syn isomer) in vitro exhibited a min. inhibitory concn. of 0.39 µg/mL against *Pseudomonas aeruginosa* 26. For a mixt. of 7-[2-(5-amino-1,2,4-thiadiazol-3-yl)-2-methoxyiminoacetamido]-3-(1-pyridinio)methyl-3-cephemcarboxylate sulfate (syn isomer) (III) 50 and NaHCO₃ 22 mg, the velocity of dissoln. in H₂O (concn. of III = 20% wt.-vol.) was 1.0 mg/min. A powder for injection contg. III 1 and NaHCO₃ 3 mol equivs was prepd.

IT 121279-05-06
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and reaction of, in prepn. of antibiotic)

RN 121279-05-8 CAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane-4-carboxamide (9CI) (CA INDEX NAME)



IT 121279-99-7P 121279-06-9P 121283-56-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

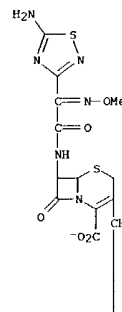
(prepn. of, as antibiotic)

RN 121279-99-7 CAPLUS

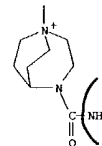
L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CN 4-Aza-1-azoniabicyclo[3.2.2]nonane, 4-(aminocarbonyl)-1-[[7-[[5-amino-1,2,4-thiadiazol-3-yl] (methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, inner salt, [6R-[6.alpha.,7.beta.(Z)]]- (9CI) (CA INDEX NAME)

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RN 121279-06-9 CAPLUS

CN 4-Aza-1-azoniabicyclo[3.2.2]nonane, 4-(aminocarbonyl)-1-[[7-[[5-amino-1,2,4-thiadiazol-3-yl] (methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, sulfate (1:1), [6R-[6.alpha.,7.beta.(Z)]]- (9CI) (CA INDEX NAME)

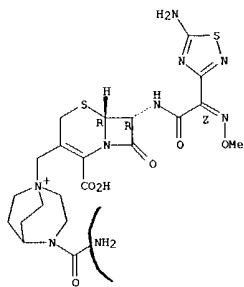
CM 1

CRN 122312-67-8

CMF C21 H28 N9 O6 S2

10/068,692

L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)

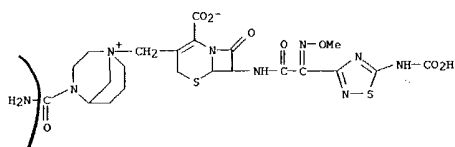
Absolute stereochemistry.
Double bond geometry as shown.

CM 2

CRN 14996-02-2
CMF H 04 5

RN 121283-56-5 CAPLUS
CN 4-Aza-1-azoniabicyclo[3.2.2]nonane, 4-(aminocarbonyl)-1-[[2-carboxy-7-[[[5-(carboxyamino)-1,2,4-thiadiazol-3-yl](methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, inner salt, monosodium salt, [6R-[6.alpha.,7.beta.(Z)]]- (9CI) (CA INDEX NAME)

L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)



● Na

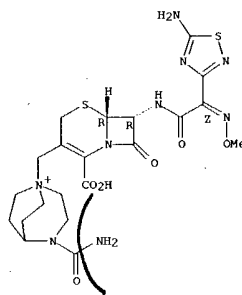
IT 121279-06-9

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in prepn. of antibiotic)

RN 121279-06-9 CAPLUS

CN 4-Aza-1-azoniabicyclo[3.2.2]nonane, 4-(aminocarbonyl)-1-[[7-[[[5-amino-1,2,4-thiadiazol-3-yl](methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, sulfate (1:1), [6R-[6.alpha.,7.beta.(Z)]]- (9CI) (CA INDEX NAME)

CM 1

CRN 122312-67-8
CMF C21 H28 N9 O6 S2Absolute stereochemistry.
Double bond geometry as shown.

L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)

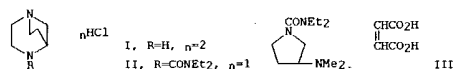
CM 2

CRN 14996-02-2
CMF H 04 5

L5 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2004 ACS ON STN

ACCESSION NUMBER: 1977:527018 CAPLUS
DOCUMENT NUMBER: 87:127018

TITLE: Antifilarial agents. 3-Aminopyrrolidine and 1,4-diazabicyclo[3.2.1]octane derivatives as analogs of diethylcarbamazine
AUTHOR(S): Sturm, Priscilla A.; Cory, Michael; Henry, David W.; McGill, J. W.; Ziegler, J. B.
CORPORATE SOURCE: Bio-Org. Chem. Dep., Stanford Res. Inst., Menlo Park, CA, USA
SOURCE: Journal of Medicinal Chemistry (1977), 20(10), 1333-7
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 87:127018
GI



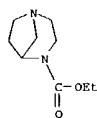
AB Four 3-aminopyrrolidine acyl deriva. and 1,4-diazabicyclo[3.2.1]octane-2HCl (I) [5492-61-5] and 2 acyl deriva. were prepd., of which all but I had significant activity in the Litomosoides carini gerbil test system but had no effect on adult worms. The most active diazabicyclo compd., II [60137-50-0], was prepd. from 2-(2-hydroxyethyl)pyrazine [6705-31-3] by hydrogenation, chlorination, ring closure, and acylation. The most active aminopyrrolidine, III [64021-90-5], was prepd. from 3-pyrrolidinol [40499-83-0] by acylation, chlorination, reaction with benzylamine, methylation, debenzoylation, and methylation. Structure-activity relations are discussed, including the effects of conformation and positions of pharmacophores.

IT 60137-49-7P 60137-50-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and anthelmintic activity of)

RN 60137-49-7 CAPLUS

CN 1,4-Diazabicyclo[3.2.1]octane-4-carboxylic acid, ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)

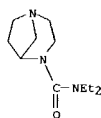


● HCl

10/068,692

L5 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 60137-50-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.1]octane-4-carboxamide, N,N-diethyl-,
monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

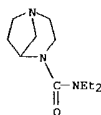
ACCESSION NUMBER: 1977:527003 CAPLUS
DOCUMENT NUMBER: 87:127003
TITLE: Antifilarial agents. 1,2-Cyclobutanediamines as
analogs of diethylcarbamazine. Status of
structure-activity relations among diethylcarbamazine
analogs

AUTHOR(S): Sturm, Priscilla A.; Cory, Michael; Henry, David W.;
McCall, J. W.; Ziegler, J. B.
CORPORATE SOURCE: Coll. Vet. Med., Univ. Georgia, Athens, GA, USA
SOURCE: Journal of Medicinal Chemistry (1977), 20(10), 1327-33
CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: Journal
LANGUAGE: English
AB One cis- and 7 trans-1,2-cyclobutanediamines with N-methyl and N-acyl
substituents were prepd. by monoacylating the appropriate diamine followed
by reductive methylation. None of the compds. was active against
Litomosoides carinii in the gerbil. Inactivity is discussed in terms of
pharmacophore configurations. Structure-activity relations for 24 addnl.
diethylcarbamazine [90-89-1] analogs are discussed.

IT 63574-73-2
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(anthelmintic activity of, structure in relation to)

RN 63574-73-2 CAPLUS
CN 1,4-Diazabicyclo[3.2.1]octane-4-carboxamide, N,N-diethyl- (9CI) (CA INDEX
NAME)

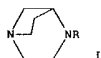


● HCl

L5 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1976:494404 CAPLUS
DOCUMENT NUMBER: 85:94404
TITLE: 1,4-Diazabicyclo[3.2.1]octanes
INVENTOR(S): Henry, David W.; Sturm, Priscilla A.
PATENT ASSIGNEE(S): Stanford Research Institute, USA
SOURCE: U.S., 3 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3954766	A	19760504	US 1975-594510	19750709
PRIORITY APPLN. INFO.:			US 1975-594510	19750709
GI				

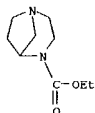


I

AB Diazabicyclooctanes (I; R = EtOCO, Et2NCO), useful as antifilarial agents
as indicated by tests against Litomosoides carinii in gerbils, were prepd.
by acylation of I (R = H) (II) with EtOCOCl and Et2NCOCl; the compds. were
isolated as HCl salts. II was prepd. by hydrogenating
2-(2-hydroxyethyl)pyrazine with PtO2 catalyst, treating the product with
SOCl2, and cyclizing the resultant 2-(2-chloroethyl)piperazine with aq.
NaOH.

IT 60137-49-7P 60137-50-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, for use as antifilarial agent)

RN 60137-49-7 CAPLUS
CN 1,4-Diazabicyclo[3.2.1]octane-4-carboxylic acid, ethyl ester,
monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 60137-50-0 CAPLUS
CN 1,4-Diazabicyclo[3.2.1]octane-4-carboxamide, N,N-diethyl-,
monohydrochloride (9CI) (CA INDEX NAME)

10/068,692

~~12~~ ANSWER 12 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
RECESSION NUMBER: 1973:124539 CAPLUS
DOCUMENT NUMBER: 78:124539
TITLE: Synthesis of benzo[b]-1,4-diazabicyclo[3.2.1]octane
AUTHOR(S): Cunningham, Howard C.; Day, Allan R.
CORPORATE SOURCE: Dep. Chem., Univ. Pennsylvania, Philadelphia, PA, USA
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LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Synthesis of benzo [b]-1,4-diazabicyclo[3.2.1]octane (I), from 3-ethoxy-
carbonylmethylene-2-quinoxalone is described. Spectral data are used to
prove its structure.
IT 37931-48-9P
RI: SPM (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 37931-48-9 CAPLUS
CN 1,4-Methano-1H-1,5-benzodiazepine-5(2H)-carboxylic acid, 3,4-dihydro-,
ethyl ester (9CI) (CA INDEX NAME)

